

# INVESTIGATOR'S ANNUAL REPORT

## National Park Service

All or some of the information provided may be available to the public

<b>Reporting Year:</b> 2003	<b>Park:</b> Shenandoah NP									
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<b>Address:</b> The Institute for Bird  Populations, P.O. Box 1346 Point Reyes Station, CA 94956-1346 US	<b>Office Fax:</b> 415-663-9482									
<b>Additional investigators or key field assistants (first name, last name, office phone, office email):</b>  <table border="0"> <tr> <td><b>Name:</b> Danika Tsao</td> <td><b>Phone:</b> n/a</td> <td><b>Email:</b> n/a</td> </tr> <tr> <td><b>Name:</b> Caitlin Kight</td> <td><b>Phone:</b> n/a</td> <td><b>Email:</b> n/a</td> </tr> <tr> <td><b>Name:</b> Ron Melcer</td> <td><b>Phone:</b> n/a</td> <td><b>Email:</b> n/a</td> </tr> </table>		<b>Name:</b> Danika Tsao	<b>Phone:</b> n/a	<b>Email:</b> n/a	<b>Name:</b> Caitlin Kight	<b>Phone:</b> n/a	<b>Email:</b> n/a	<b>Name:</b> Ron Melcer	<b>Phone:</b> n/a	<b>Email:</b> n/a
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<b>Name:</b> Ron Melcer	<b>Phone:</b> n/a	<b>Email:</b> n/a								
<b>Permit#:</b> SHEN-2002-SCI-0006										
<b>Park-assigned Study Id. #:</b> SHEN-00150										
<b>Project Title:</b> BIRD MONITORING: MONITORING AVIAN PRODUCTIVITY AND SURVIVORSHIP (MAPS) IN SHENANDOAH NATIONAL PARK (Study number N-150)										
<b>Permit Start Date:</b> May 01, 2002	<b>Permit Expiration Date</b> Apr 30, 2003									
<b>Study Start Date:</b> May 01, 2002	<b>Study End Date</b> Apr 30, 2004									
<b>Study Status:</b> Continuing										
<b>Activity Type:</b> Monitoring										
<b>Subject/Discipline:</b> Birds / Ornithology										
<b>Objectives:</b> The main purpose of this study is to monitor the primary demographic parameters of landbirds in Shenandoah National Park. Specific objectives are: (1) to establish and operate six MAPS stations in Shenandoah National Park for at least ten consecutive years that will provide: (a) annual indices of adult population size and post-fledging productivity of the breeding landbirds of the park from data on the numbers and proportions of young and adult birds captured; and (b) estimates of adult survivorship and recruitment into the adult population for these species from mark-recapture data on the adult birds captured; (2) to examine long-term trends in population size, productivity, and survivorship among Shenandoah's landbirds and attempt to infer proximate demographic causes for observed population changes; (3) to incorporate these data from Shenandoah into the continent-wide MAPS Program; and (4) to evaluate the usefulness of the MAPS Program as one component of Shenandoah National Park's and the National Park Service's Long-Term Ecological Monitoring efforts.										
<b>Findings and Status:</b> See report submitted under permit #SHEN-2003-SCI-0007.										
<b>For this study, were one or more specimens collected and removed from the park but not destroyed during analyses?</b> No										
<b>Funding provided this reporting year by NPS:</b> 0	<b>Funding provided this reporting year by other sources:</b> 0									
<b>Fill out the following ONLY IF the National Park Service supported this project in this reporting year by providing money to a university or college</b>										

<b>Full name of college or university:</b>  n/a	<b>Annual funding provided by NPS to university or college this reporting year:</b>  0
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